

Amendments to the Specification

IN THE ABSTRACT OF THE DISCLOSURE

Attached hereto is a replacement Abstract with markings to show amendments.

IN THE WRITTEN DESCRIPTION

Please replace the paragraph beginning at page 2, line 8, with the following rewritten paragraph:

In the past it has been proposed to use a calcium compound, such as calcium oxide or calcium carbonate derived from limestone, or a similar mixed calcium/magnesium compound derived from dolomite, to trap both carbon dioxide and sulfur dioxide in various forms of combustion ~~furnace~~furnaces, including furnaces incorporating fluidized beds. Although these methods are moderately successful, they have several significant disadvantages. First, the efficiency of gas capture by the calcium compound is not high, with the result that the furnace ashes can contain significant amounts of calcium oxide. Second, due to the calcium oxide content, the furnace ashes cannot simply be disposed of in a landfill site without further processing to eliminate the calcium oxide. Third, due to the low efficiency of the gas capture process, the amount of calcium compound required is far higher than the chemistry of the process indicates to be necessary.